

## **Log of Changes**

### **2000 Standard Specifications**

#### **Section 1-01.2(1) Associations and Miscellaneous**

The following abbreviations were added FOP (Field Operating Procedure), WAQTC (Western Alliance for Quality Transportation Construction) and SOP (Standard Operating Procedure).

#### **Section 1-02.4(1) General**

Item 2 F was added to this section to inform the contractor to carefully examine the site for biological and physical hazards.

#### **Section 1-02.8(1) Noncollusion Declaration**

In the second paragraph the references to the CFR's were modified to reflect current references.

#### **Section 1-04.4 Changes**

In the third paragraph, section B the word "major" was removed.

#### **Section 1-04.4(1) Minor Change**

This supplements section 1-04.4 by adding a procedure to deal with changes of \$5,000 or less.

#### **Section 1-05.3 Plans and Working Drawings (Metric Only)**

The third and fourth sentences in the first paragraph were deleted to allow the contractor to submit drawings on metric projects in English measures.

#### **Section 1-06.2(1) Samples and Tests for Acceptance**

This revises and supplements this section to reflect the changes needed for the Qualified Tester Program.

#### **Section 1-07.4(2) Health Hazards**

This section was added to inform the contractors that biological and associated physical hazards may be present on the jobsite and need to take any precautions or perform any necessary work to maintain a safe and healthful worksite in accordance with applicable laws.

#### **Section 1-07.11 Requirements for Non-discrimination**

This section was supplemented to clarify Title VI requirements.

#### **Section 1-07.11(10)B Required Records and Retention**

The section was entirely revised to provide clarity and misunderstandings for the submittal of the FHWA form 1391.

#### **Section 1-07.13(4) Repair of Damage**

This specification was revised to add a standard bid item for payment of third party damages. This originally was an optional GSP but due to almost 100% use, it was added as a statewide specification.

#### **Section 1-07.15 Temporary Water Pollution/Erosion Control**

This section was revised to emphasize all the legal laws and move all the pay items to Division 8-01.

#### **Section 1-07.17 Utilities and Similar Facilities**

The second paragraph was revised to reflect the current RCW's relating to underground utilities.

**Section 1-07.19 Gratuities**

The section was supplemented to add a reference to reflect the changes in the State Ethics law, RCW 42.52.

**Section 1-07.22 Use of Explosives**

The WAC reference was changed to reflect current law.

**Section 1-08.1 Subcontracting**

This section was revised and supplemented to reflect requirements of the new federal law involving the federal Disadvantaged Business Enterprise program CFR 49 part 26.

The section was also revised to provide clarity on the submittal of the forms that document the amounts paid Disadvantaged, Minority, or Women's Business Enterprise that were utilized on the projects.

**Section 1-08.5 Time for Completion**

In the seventh paragraph, item (c) was revised to read "Annual Report of Amounts Paid as MBE/WBE Participants or Quarterly Report of Amounts Credited as DBE Participation, as required by the contract provisions".

**Section 1-08.9 Liquidated Damages**

The word "unrestricted" was removed from the first sentence in the fourth paragraph.

**Section 1-09.1 Measurement of Quantities**

This section was revised to provide clarity for the exception areas, outlined in the specification, when measuring by the Square foot, yards or meters.

**Section 1-09.2 Weighing Equipment**

The entire section outlining "Weighing Equipment" was modified to accommodate the use of commercial scale operators and the GSP's allowing contractor weighing of material.

**Section 1-09.6 Force Account**

This section was revised to reflect the changes contained in the new WSDOT/AGC Force Account Agreement.

**Section 1-09.7 Mobilization**

This section was revised to reflect the changes contained in the new WSDOT/AGC Force Account Agreement.

**Section 1-09.11 Measurement of Quantities**

This section was modified to clarify the minor exception area of payment.

**Section 1-10.2(3) Temporary Traffic Control**

This section was revised to add categories 2, 3 and 4 to reflect changes in the conformance of established standards.

**Section 2-01.3(1) Clearing**

This section was revised to move the allowable clearing limits specification to section 8-01.

**Section 2-01.3(2) Grubbing**

This section was revised to move the allowable clearing limits specification to section 8-01.

**Section 2-01.4 Measurement (Metric Only)**

The reference to "per acre" in the fourth paragraph was revised to read "per hectare".

### **Section 2-02.3(3) Removal of Pavements, Sidewalks, and Curbs**

This section was revised to add a specification that requires any of the above removal items that are incorporated into an embankment area shall be no larger than 18 inches in diameter and no part of any piece shall be within 3 feet of the top, side, or end surface of the embankment or any structure.

### **Section 2-02.5 Payment**

This supplemented this section by adding language to explain the payment for removal of sidewalks, pavements or curbs within and excavation area.

### **Section 2-03.3(11) Slides**

This specification was revised to add requirements that if a slide occurs due to not implementing erosion control devices or following the TESC plan, the slope shall be resloped to the original alignment at no expense to the Contracting Agency.

### **Section 2-03.3(14)D Compaction and Moisture Control Tests**

This was revised to reflect new testing procedures.

### **Section 2-09.3(2) Classification of Structure Excavation**

This section was revised to correct several deficiencies that were reoccurring with contractor's shoring submittals.

### **Section 2-09.3(3)D Shoring and Cofferdams**

This section was revised to correct several deficiencies that were reoccurring with contractor's shoring submittals.

### **Section 2-09.3(4) Construction Requirements, Structure Excavation, Class B**

The first sentence in the first and fifth paragraphs were revised to allow the use of a trench box provided it is not used to support adjacent traffic, existing footings or other structures.

### **Section 2-12.3(5) Temporary Silt Fences**

Deleted and moved to Section 8-01.3(9)A.

### **Section 2-12.4 Measurement**

The item dealing with "Temporary Silt Fence" was deleted and moved to Section 8-01.4.

### **Section 2-12.5 Payment**

The bid item "Construction Geotextile for Temporary Silt Fence" was deleted and moved to Section 8-01.5 under the item "Silt Fence".

### **Section 3-02.3(1) Asphalt Concrete Aggregates**

This section was redundant because of the coverage in Standard Specification 5-04.3(7) and therefore deleted.

### **Section 4-06.3(7) Density**

This was revised to reflect new testing procedures.

### **Section 5-04.3(1)A Requirements For All Plants**

This section was revised to add safety for the inspector sampling Liquid asphalt by placing a valve at either the supply line to the mixer or the storage tank.

### **Section 5-04.2 Materials**

This section was revised to allow the contractor to substitute alternate grades of PG asphalt cements at no cost to the Contracting Agency.

### **Section 5-04.3(5)A Preparation of Existing Surfaces**

The specification was totally revised to strengthen specification regarding the cleanliness of the surface, the uniformity of the application of tack coat and the cure time for the tack coat prior to placing the ACP.

**Section 5-04.3(8) Mixing**

This was revised to reflect new testing procedures.

**Section 5-04.3(8)A Acceptance Sampling and Testing**

This was revised to reflect new testing procedures.

**Section 5-04.3(10)B Control**

This was revised to reflect new testing procedures.

**Section 5-04.3(14) Planing Bituminous Pavement**

The fourth paragraph was revised to require the contractor to dispose of the Planings in accordance with Section 2-03.3(7)C if no other waste site is provided.

**Section 5-04.4 Measurement**

The fourth paragraph was revised to inform the contractor that the cost of the tack coat shall be included in the unit contract price per ton of the ACP. This also eliminates the seventh and eighth paragraphs in Section 5-04.5.

**Section 5-05 Cement Concrete Pavement**

This section was reformatted with minor changes and added a combined aggregate specification.

**Section 5-05.3(4)A Acceptance of Portland Cement Concrete Pavement**

This was revised to reflect new testing procedures.

**Section 5-05(19) Reinforced Concrete Bridge Approach Slabs**

This revised the steel specifications for the approach slab anchor rods and plates.

**Section 6-01 General Requirements**

The section heading was revised to read “General Requirements for Structures”.

**Section 6-01.10 Utilities Supported by or Attached to Bridges**

This is a new section added to address the marking of Utilities or conduit systems attached to Structures.

**Section 6-01.12 Final Cleanup**

The reference in the second paragraph to the Department’s Bridge Condition Unit was changed to WSDOT Bridge Preservation Office.

**Section 6-02.3(2) Proportioning Materials**

This section was modified to allow the use of Blended Hydraulic Cements meeting the requirements of section 9-01.2(4).

**Section 6-02.3(2)A Contractor Mix Design**

This was revised to reflect new testing procedures.

**Section 6-02.3(2)B Commercial Concrete**

This section was revised to clarify the need for air-entrainment for above ground installations and no requirement for a minimum cementitious content due to the low risk of commercial concrete.

**Section 6-02.3(5)A General**

The reference to Field Operating Procedures was changed in the fifth paragraph section 1.a to FOP and minor grammatical changes were made for clarity.

**Section 6-02.3(5)B Certification of Compliance**

This section clarifies the documentation requirements for the commercial concrete Certification of Compliance.

**Section 6-02.3(5)D Test Methods**

This was revised to reflect new testing procedures.

**Section 6-02.3(5)G Sampling and Testing Frequency for Temperature, Consistency and Air Content**

This change shortened the eighth sentence by removing additional references to test methods and adding abbreviations for Field Operating Procedures (FOP) and Western Alliance for Quality Transportation Construction (WAQTC).

**Section 6-02.3(11) Curing Concrete**

Item No. 1 in the first paragraph was revised to clarify that the curing of concrete by either applying a curing compound and covering it with a reflective type sheeting or by keeping it continuously wet shall be performed for at least 10 days for either method.

**Section 6-02.3(17)H Formwork Accessories**

The first paragraph was clarified to inform the contractor that wire form ties, taper ties and welding or clamping formwork to reinforcing steel is not allowed.

**Section 6-02.3(17)M Restricted Overhead Clearance Sign**

The last sentence in the second paragraph changed the reference from “1-07.23(3)F” to “1-10.3(3)”.

**Section 6-02.3(17)N Removal of Falsework and Forms**

The last sentence of the fourth paragraph was revised to “The cylinders shall be cured according to WSDOT FOP for AASHTO T 23”. A grammatical change was also made to paragraph nine.

**Section 6-02.3(17)O Early Concrete Test Cylinder Breaks**

The test methods were revised in the second and third paragraphs.

**Section 6-02.3(20) Grout for Anchor Bolts and Bridge Bearings**

The test method was revised in the second paragraph from “AASHTO T 106” to “AAHSTO Test Method T 106”.

**Section 6-02.3(25) Prestressed Concrete Girders**

This entire section was reorganized and rewritten to bring it up to industry standards with a main focus of the modifications to the tolerances, adding WSDOT Series girder for wide Flange I and Deck Bulb Tee girders, and provisions for early shipment of Deck Bulb Tee girders.

**Section 6-02.3(26) Cast-in-Place Prestressed Concrete**

This section was revised to update the requirements for post-tensioning, anchorages, ducts, reinforcing, tensioning, and grouting. The existing specifications were based on criteria from the early 1970’s and needed to be updated to reflect current practices specified by the Post-Tensioning Institute.

**Section 6-02.3(27) Concrete for Precast Units**

The test methods referenced in this section were changed.

**Section 6-02.3(28)D Contractors Control Strength**

The test methods in the second sentence in the first and fourth paragraphs were revised.

**Section 6-03.3(1) Notice of Rolling**

This section was deleted because the requirement has not been enforced since 1988.

**Section 6-03.3(7) Shop Plans**

This revision allows the contractor to submit shop drawings to a minimum size of 11 x 17 or an electronic format approved by the engineer.

**Section 6-03.3(14) Edge Finishing**

This revision incorporated the “Rockwell Hardness” appendix requirement into the specification in lieu of being an attachment to the specifications in the contract provisions.

**Section 6-07.3(1) Painting New Steel Structures**

The reference in the fourth paragraph was changed from “1982 Edition” to “current edition”.

**Section 6-09 Cribbing**

This section was deleted from Section 6-09 and moved to Section 8-24.

**Section 6-10.1 Description**

This section was supplemented to add removal, storage and resetting of permanent barrier.

**Section 6-10.2 Materials**

The third and fourth paragraphs were entirely revised to reference other standard specifications and reflect new test methods for the concrete barrier hardware.

**Section 6-10.3(1) Precast Concrete Barrier**

This section was entirely revised.

**Section 6-10.3(3) Resetting Concrete Barrier**

The title of this section was revised to read “Removing and Resetting Permanent Concrete Barrier”.

**Section 6-10.3(5) Temporary Concrete Barrier**

The section was entirely revised.

**Section 6-10.4 Measurement**

This section was supplemented to describe the payment for removing and resetting existing permanent barrier.

**Section 6-10.5 Payment**

This section was supplemented to add the bid item “Removing and Resetting Existing Permanent Barrier”, per foot.

**Section 6-11.2 Materials**

The class of concrete in the second paragraph was revised from “Class 4000LS to “Class 4000”.

**Section 7-02 Materials**

In the chart titled “Culvert Pipe Schedules” on page 7-5, the column titled “Diameter in Inches” was changed to read “Diameter in mm”.

**Section 7-04.5 Payment (Metric Only)**

The bid item “Schedule \_\_\_\_\_ Storm Sewer Pipe \_\_\_\_\_ mm Diam.”, per linear foot was revised to read, “Schedule \_\_\_\_\_ Storm Sewer Pipe \_\_\_\_\_ mm Diam.”, per meter.

**Section 7-08.3(2)D Pipe Laying – Steel or Aluminum**

Text change for clarity.

**Section 7-08.5 Payment (Metric Only)**

In the last paragraph, the reference to “per foot” was changed to “per meter”.

**Section 8-01 Erosion Control**

This section was renamed “Erosion Control and Water Pollution Control. All the bid items and requirements for Temporary Water Pollution Control were moved from Section 1-07.15 to this section. The section was also reorganized to incorporate all the new

products involved with water pollution control and updated to meet all of the new environmental laws.

#### **Section 8-02 Roadside Planting**

This section was reorganized and added provisions to require a Plant Establishment Plan and provisions and bid items for Topsoil with three different Types A, B, and C.

#### **Section 8-09.3(1) Surface Preparation**

This section was only revised for clarity only.

#### **Section 8-09.3(3) Adhesive Preparation**

This section was supplemented to add a specification when utilizing an asphalt adhesive.

#### **Section 8-09.3(4) Application Procedure**

This section was revised by deleting the first sentence in paragraph nine.

#### **Section 8-11.3(1)D Terminal and Anchor Installation**

The first sentence in the fifth paragraph was revised for clarity and to add “Beam Guardrail Nonflared Terminals”.

#### **Section 8-18.2 Materials**

This section was revised to reflect changes in the Standard Plans.

#### **Section 8-18.5 Payment**

This section was supplemented to explain the payment for a snow guard when applicable.

#### **Section 8-20.3(4) Foundations**

The last paragraph was revised to reference the use of split bases for light standard concrete foundations.

#### **Section 8-20.3(8) Wiring**

The tenth paragraph of this section was revised to add the use of a Polyolefin wire-marking sleeve.

#### **Section 8-22 Pavement Marking**

This section was completely revised. The changes focused on adding and renaming some of the referenced types of pavement markings and materials, reformatting and added a chart for application rates for the different types of pavements.

#### **Section 8-23 Temporary Pavement Markings**

This section was completely revised. The changes focused on specified color of centerline and edge stripes, the requirement that the temporary lines had to be retroreflective, materials had to be selected from the Qualified Products List and all the references were changed to reflect changes made in Standard Specifications 8-22.

#### **Section 8-24 Rock Wall**

This section was renamed “Rock And Gravity Block Wall and Gabion Cribbing” to add the information from section 6-09 (Cribbing) and provisions for the use of “Ecology Block” retaining walls.

#### **Section 9-00.4 Sieve Analysis of Aggregates**

The test method reference was revised.

#### **Section 9-00.8 Sand Equivalent**

The test method reference was revised.

#### **Section 9-00.9 Field Test Procedures**

This section added the use of ASTM or WAQTC test procedures.

#### **Section 9-01.2(4) Blended Hydraulic Cement**

This section was revised to add the use of Ground Granulated Blast Furnace Slag in blended hydraulic cement.

**Section 9-02.1 Vacant**

This section was renamed Test Methods and converted WSDOT test methods to AASHTO test methods.

**Section 9-02.1(4) Asphalt Cements**

This section was revised to add provisions for the use of “PG” grades of asphalt cements and delete the provisions for AR4000 grades of asphalt cements.

**Section 9-02.1(5) Recycling Agent**

This section was deleted due to the use of PG grades of asphalt cement.

**Section 9-02.1(8) Hot Melt Traffic Button Adhesive**

This section was revised to change the referenced test methods.

**Section 9-02.2(1) Certification of Shipment**

This section was supplemented to add the specifications for “Polymerized Cationic Emulsified Asphalt CRS-2P. The second paragraph was also revised to eliminate the requirement to send a copy of the Bill of Lading and Certification Statement to the OSC Materials Lab.

**Section 9-03.1(1) General Requirements**

This section was revised to add references to ASTM test methods.

**Section 9-03.1(4)A Deleterious Substances**

The test method was revised in this section.

**Section 9-03.1(4)C Grading**

In paragraph, the column “Passing Sieve Size” was revised to add 1 ½, ¾, and ½ inch sieve sizes.

**Section 9-03.1(5) Combined Aggregate Gradation for Portland Cement Concrete**

This added a new section specifies the types of aggregates allowed to be utilized in a combined aggregate mix.

**Section 9-03.1(5)A Deleterious Substances**

This added a new section to specify deleterious substance amounts allowed in the combined aggregate specification.

**Section 9-03.1(5) B Grading**

This added a new section to specify the gradation for the combined aggregate.

**Section 9-03.14(3) Common Borrow**

In the third paragraph the reference to “Standard Test Designation” was changed to “Test Method”.

**Section 9-03.20 Test Methods for Aggregates**

The test methods were revised in this section.

**Section 9-03.21(2) Recycled Glass Aggregates**

In the second and fourth paragraphs the referenced test methods were revised.

**Section 9-04.5 Flexible Plastic Gaskets**

The test methods and minimum and maximums for the tests, for five items, were revised in this section.

**Section 9-04.10 Crack Sealing – Rubberized Asphalt**

This revision corrected a spelling error.



**Section 9-04.11 Butyl Rubber**

This revision allows the Engineer to accept butyl rubber that does not meet the petroleum testing requirements listed in the specification if the rubber is installed underground and not exposed to petroleum products.

**Section 9-05.16 Grate Inlets and Drop Inlets**

In paragraph two, the second sentence was deleted and a reference to the Structural Welding Code was added. The first paragraph was also revised to change the steel specifications.

**Section 9-05.18 Safety Bars for Culvert Pipe**

The test methods were revised in this section.

**Section 9-06.1 Structural Carbon Steel**

The test requirements were revised in this section.

**Section 9-06.2 Structural Low Alloy Steel**

The test requirements were revised in this section.

**Section 9-06.3 Structural High Strength Steel**

The test requirements were revised in this section.

**Section 9-06.5(4) Anchor Bolts**

The third sentence of the second paragraph added DH 3 as a grade of bolt.

**Section 9-06.16 Roadside Sign Structures**

This revision corrected spelling errors, revised the specifications for the Anchor Ferrules and changed the specification for the shims used in the breakaway base connectors. It also revised the test requirements for the steel items.

**Section 9-07.5 Dowel Bars(For Cement Concrete Pavement)**

The last sentence in this section added 9-07.3 Item 9 as a requirement.

**Section 9-07.10 Prestressing Reinforcement**

The heading was revised to read “Prestressing Reinforcement Strand”.

**Section 9-07.11 Prestressing Reinforcement Bar**

This is a new section created to add provisions for the use of high-strength steel bars for prestressed reinforcement.

**Section 9-10.5 Steel Piling**

The steel material requirements were revised in this section.

**Section 9-16.2(4) Brace Wire**

The reference to Class 2 wire was revised to Class 3 as Class 2 no longer exists.

**Section 9-16.2(6) Barbed Wire**

The reference to Class 2 wire was revised to Class 3 as Class 2 no longer exists.

**Section 9-16.3(1) Rail Elements**

The steel material requirements were revised in this section.

**Section 9-16.3(2) Posts and Blocks**

The second sentence in the first paragraph was revised to read, “Blocks made from alternate materials that meet the NCHRP Report 350 criteria may be used in accordance with the manufacturer’s recommendations”. The steel specifications were also revised in this section.

**Section 9-21.1(1) Physical and Chemical Properties**

The first sentence of the second paragraph was revised by deleting the words “where the spherical top meets the base”. Also, in the chart under the column titled “Property” the word “Diameter” was revised to read “Diameter/Width”.

### **Section 9-21.3 Raised Pavement Markers Type 3**

This section was entirely revised to reflect new specifications.

### **Section 9-23.9 Fly Ash**

The reference to “Table 2” was revised to read, “Table 1A”.

### **Section 9-25.1 Water for Concrete**

The section was revised by deleting the first paragraph, clarifying the second paragraph and adding “Section 5.1.3” to the test method and revising the formula in item 3 of the third paragraph to read “[Na<sub>2</sub>O+0.658 K<sub>2</sub>O] in lieu of [Na(4)O+0.658K<sub>9</sub>f<sub>2</sub>)O].

### **Section 9-27.3(6) Stone**

In the second sentence the reference to section 6-09.3(6)F was revised to section 8-24.3(3)F to reflect the moving of section 6-09 specifications to section 8-24.

### **Section 9-28.1(1) Basis for Acceptance**

The first paragraph was revised to change the basis for acceptance of reflective sheeting.

### **Section 9-28.2 Manufacturer’s Identification and Date**

This specification was revised to add the width and height dimension to the back of all destination, distance and large special signs.

### **Section 9-28.11 Hardware**

This section was revised to change the hardware requirements with the exception of Overhead sign structures to stainless steel only. It also changed the steel specifications and galvanization requirements for the steel hardware.

### **Section 9-28.14(2) Steel Structures and Posts**

The second sentence of the first paragraph the words “on both ends” is replaced with “at the exposed end” and the last sentence of the first paragraph the words “and shall be galvanized after fabrication in accordance with AASHTO M 111” is deleted and replaced by “but need not be galvanized”.

### **Section 9-29.2 Junction Boxes [This includes 9-29.2(1), (3) & (4)]**

This section was totally revised for clarity and to allow fiber reinforcement in constructing junction boxes.

### **Section 9-29.6(1) Steel Light and Signal Standards**

The steel material requirements were revised in this section.

### **Section 9-29.6(2) Slip Base Hardware**

The steel material requirements were revised in this section.

### **Section 9-29.13 Traffic Signal Controllers**

The last paragraph was deleted and replaced with the Quality Control method to address the previously specified warranties and guarantees for traffic signal controllers.

### **Section 9-31.1 Requirements**

The minimum cover of all elastomer edges as specified under the third paragraph were revised to read:

1/8 inch for pads less than or equal to 3 inches thick

¼ inch for pads greater than 3 inches and less than or equal to 7 inches thick and

½ inch for pads greater than 7 inches thick

The third paragraph was also supplemented to add a specification for the steel shims.

### **Section 9-32 Mail Box Support**

This section was entirely revised. The major changes are specification references for the materials and the addition of 9-32.6 Snow Guard and 9-32.7 Type 2 Mailbox Support to reflect the changes in the Standard Plans.

**Section 9-33.2 Geotextile Properties**

In tables 1 and 3 the value “<50%/50%” was revised to “<50%/>or=to50%”.

**Section 9-34 Pavement Marking Material**

A new section was added for pavement marking materials in October 2000. It was also modified in April of 2001 to bring all the testing requirements for Paints up to the current testing requirements.

**Section 9-34.2(3) Low VOC Waterborne Paint**

The PH minimum was left out of the October 2000 amendment. The February 2001 amendment added a 9.5 minimum.

**Section 9-34.4 Glass Beads**

In the first sentence of the second paragraph the Traffic Paint Designation was changed from “M-81” was changed to “M 247-81”.

**Misc. Changes**

The following specifications were revised to change the 1/4 inch square sieve size to the U. S. No. 4 sieve:

3-01.5	9-03.9(4)	9-14.4(3)
5-02.3(3)	9-03.10	
5-04.5(1)A	9-03.11	
5-04.3(5)C	9-03.12(2)	
9-03.4(2)	9-03.12(3)	
9-03.6(2)	9-03.12(5)	
9-03.8(6)	9-03.13	
9-03.8(6)A	9-03.13(1)	
9-03.9(1)	9-03.14(1)	
9-03.9(2)	9-03.14(2)	
9-03.9(3)	9-03.18	